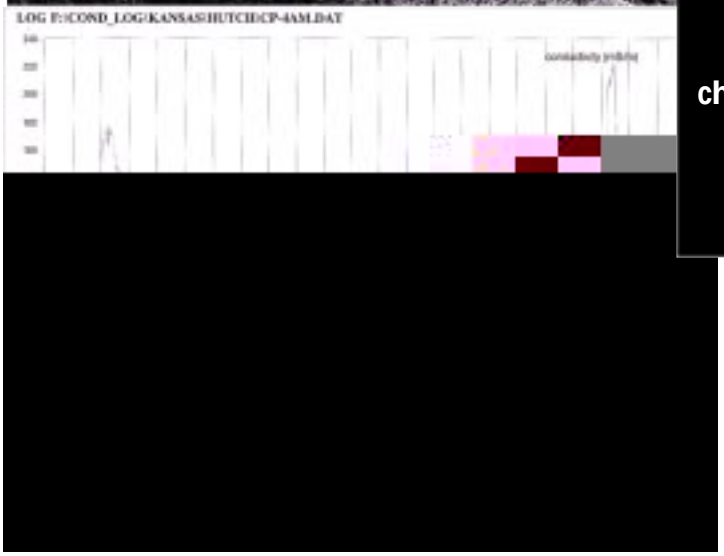
Geoprobe's SC400 Soil Conductivity Probe: The Strong, Sensitive Type.

Soil Conductivity logs can be run with any Geoprobe® machine, and are gaining wide usage in site investigation. ▶

Product Bulletin from GEOPROBE SYSTEMS

Soil conductivity logging using percussion driven probes continues to increase in usage for site investigations. This increase can be attributed to the ease and speed with which logs can be made and the utility of these logs in distinguishing permeable (sand rich) zones from lower permeability silt or clay zones.

The equipment for performing soil conductivity logging also continues to improve, and the SC400 probe is at the forefront of this improvement. Geoprobe® Systems changed the structure of its original four-pole array model to yield a probe that is structurally sound ▶



A typical SC400 log: sand zones have low conductivities while clay and silt zones have higher conductivities. The speed of probe advancement is also shown. ▶

The SC400: a radical change in driveable soil conductivity probing.

Geoprobe® Systems

for the power to understand the subsurface

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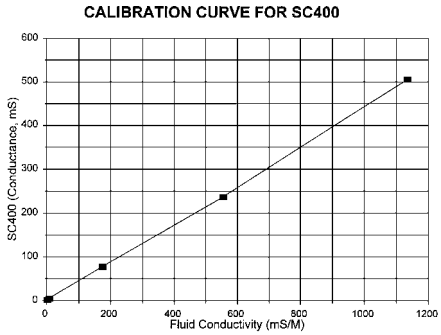
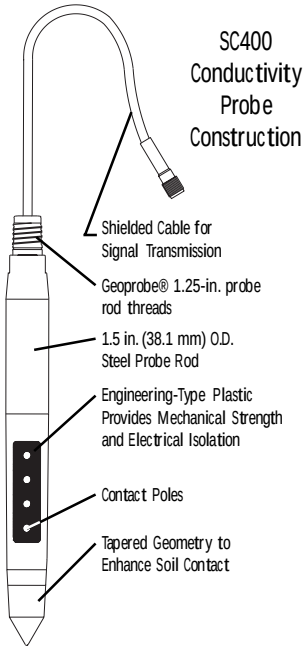
and robust, gives excellent sensitivity and linearity, and is less expensive. Retreiving soil conductivity logs is now easier than ever.

The SC400 is a four-pole "Wenner" array type probe; current is passed through the soil from the outer contacts of this array, voltage is measured on the inner two contacts. The robustness of this new probe is due to its structure: part of the probe's outer shell acts as the support for the insulated array section. **You won't bend this probe.** The outer surface of the probe is tapered to assure good contact with the soil. And the four-pole array compensates for any poor contact to measure true soil conductivity. The SC400 is specifically designed for use with Geoprobe® 1.25-inch probe rods.

Additional literature and diskette demos on the use of soil conductivity for subsurface site investigation are available free of charge from Geoprobe® Systems.



Calibration of the SC400 is linear with excellent sensitivity for application in low conductivity soils.



SPECIFICATIONS

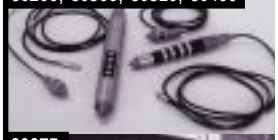
Length	15-in. (381 mm)
Diameter	1.5-in. (38.1mm)
Weight	6.26 lbs. (2.84 Kg)
Thread System	1.25-in. Geoprobe® Std.
Array type	4-pole Wenner*
Vertical resolution	1.75-in. (44.5 mm)
Measuring Range	0 - >1,000 mS/m

**The SC400 may also be used for dipole measurement.*

[Users of the Geoprobe® Systems Soil Conductivity measurement system who are switching to the SC400 from the SC200 may need to upgrade their SC acquistion software to include the SC400 calibration information. This upgrade is available free of charge from Geoprobe® Systems.]

GEOPROBE® SOIL CONDUCTIVITY SYSTEM

SC200, SC300, SC310, SC400

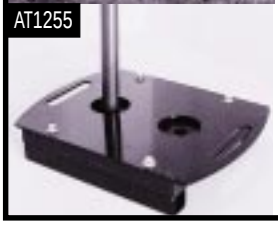


Several Geoprobe® conductivity probes, including an expendable model, are available.

SC675

Transport your tool string easily. The Rod Cart Carrier mounts to the Geoprobe® unit and folds piggy-back into the rear of your carrier vehicle.

AT1255



The rubber on Geoprobe's Probe Rod Wiper cleans rods as they are retracted from the subsurface.

Conductivity Wenner Probe, for use with 1.25-in. probe rods	SC400
Probe Test Jig for SC400 Probe	SC463
Stringpot Mounting Bracket	SC110
Stringpot Bottom Clamp	SC111
Stringpot Piston Weight	SC112
Soil Conductivity Instrumentation Case	SC150
Direct Image Software	SC151
Power Inverter	SC152
Extension Cord, 25 ft.	SC153
Stringpot	SC160
Stringpot Cordset	SC161
Probe Cordset Kit	SC165
Probe Rod Cart, holds 24 rods with 1.25-in OD	SC610
Rod Cart Carrier	SC675
Slotted Drive Cap for 1.25-in. probe rods	AT1202
Slotted Pull Cap for 1.25-in. probe rods	AT1203
Probe Rod Wiper for 1.25-in. probe rods and 1.5-in. tools	AT1255

For a complete Soil Conductivity Tools listing, refer to Geoprobe's 1998-99 Tools and Equipment Catalog and/or the Geoprobe® Price List.

Product Bulletin

Geoprobe® SC400 Soil Conductivity Probe

No. PBSC40398

To place an order call

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